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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	Based on 09/781,154
				Filing Date	February 13, 2001
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group Art Unit	2871
				Examiner Name	Tai V. Duong
Sheet	1	of	4	Attorney Docket Number	0756-7190

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TD		5,389,287		Nishiyama et al.	02/14/95	
TD		5,223,959		Wu et al	06/29/93	
TD		5,253,090		Yamazaki et al.	10/12/93	
TD		5,078,477		Jono et al.	01/07/92	
TD		5,200,846		Hiroki et al.	04/06/93	
TD		4,818,070		Gunjima et al.	04/04/89	
TD		5,087,387		Mullen et al.	02/11/92	
TD		5,268,783		Yoshinaga et al.	12/07/93	
TD		5,378,396		Yui et al.	01/03/95	
TD		5,178,571		Mase	01/12/93	
TD		5,321,553		Kunar	06/14/94	
TD		5,566,009		Yamazaki et al.	10/15/96	
TD		5,289,030		Yamazaki et al.	02/22/94	
TD		4,239,346		Lloyd	12/16/80	

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TD		JP	02-000824			01/05/90	Abst.
TD		JP	02-222930			09/05/90	Abst.
TD		JP	49-077537			07/26/74	None
TD		JP	62-126677			06/08/87	Abst.
TD		JP	63-010777			05/02/88	Abst.
TD		JP	64-030272			02/01/89	Abst.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TD		Molsen et al., "Antiferroelectric Switching...Liquid Crystals," Japan J. Appl. Phys. Vol. 31, Part 2, No. 8A, August 1, 1992, pp. 1083-1085.	

Examiner Signature	Tai Duong	Date Considered	2/9/04
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Sheet	2	of	4	Attorney Docket Number	0756-7190

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TD		5,612,799		Yamazaki et al.	03/18/97	
TD		4,834,509		Gunjima et al.	05/30/89	
TD		5,424,244		Zhang et al.	06/13/95	
TD		5,849,043		Zhang et al.	12/15/98	
TD		5,287,205		Yamazaki et al.	02/15/94	
TD		5,568,288		Yamazaki et al.	10/22/96	
TD		5,351,145		Miyata et al.	09/27/94	
TD		5,055,899		Wakai et al.	10/08/91	
TD		5,051,570		Tsujikawa et al.	09/24/91	
TD		4,938,565		Ichikawa	07/03/90	
TD		5,003,356		Wakai et al.	03/26/91	
TD		5,012,228		Masuda et al.	04/30/91	
TD		4,818,077		Ohwada et al.	04/04/89	
TD		4,680,580		Kawahara	07/14/87	
TD		4,949,141		Busta	08/14/90	
TD		4,103,297		McGrievy et al.	07/25/78	
TD		5,056,895		Khan	10/15/91	

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TD		JP	2-188723			07/24/90	Abst.
TD		JP	63-271233			11/09/98	Abst.
TD		JP	04-122913			04/23/92	Abst.
TD		JP	2-210330			08/21/90	Abst.
TD		JP	0051129			02/1990	Abst.
TD		JP	1130131			05/1989	Abst.
TD		JP	61-141174			06/28/86	Full
TD		JP	55-32026			03/06/80	Full
TD		JP	2-234134			9/1990	Full

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TD		4,897,639		Kanayama	01/30/90	
TD		3,955,187		Bigelow	05/04/76	
TD		4,427,978		Williams	01/24/84	
TD		4,742,346		Gillette et al.	05/03/88	
TD		4,818,981		Oki et al.	04/04/89	
TD		4,841,294		Clerc	06/20/89	
TD		5,091,722		Kitajima et al.	02/25/92	
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TD		5,327,001		Wakai et al.	07/05/94	
TD		5,495,353		Yamazaki et al.	02/27/96	
TD		5,084,905		Sasaki et al.	01/28/92	
TD		4,660,030		Maezawa	04/21/87	
TD		4,873,516		Castleberry	10/10/89	
TD		5,196,839		Johary et al.	03/23/93	
TD		5,408,246		Inaba et al.	04/18/95	
TD		5,414,443		Kanatani et al.	05/09/95	
TD		4,973,135		Okada et al.	11/27/90	
TD		5,142,272		Kondo	08/25/92	
TD		4,021,607		Amano	05/03/77	

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TD		JP	64-068732			03/14/89		Abst.
TD		JP	1156725			06/20/89		Full
TD		JP	0068724			03/1989		Abst.
TD		EP	0 321 073			06/21/89		Abst.
TD		EP	0 349 415			03/01/90		Abst.
TD		JP	63-082177			12/04/88		Abst.
TD		JP	0144297			12/1978		Abst.

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TD		4,649,432		Watanabe et al.	03/10/87	
TD		4,743,096		Wakai et al.	05/10/88	
TD		4,752,774		Clerc et al.	06/21/88	
TD		5,352,379		Nishiyama et al.	10/04/94	
TD		5,305,126		Kobayashi et al.	04/19/94	

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TD		IBM Technical Disclosure Bulletin, Vol. 33, No. 6B, November 1990, New York, pgs. 384-385, XP000108914, "Driving Method for TFT/LCD Grayscale."	
TD		MOLECULAR CRYSTALS AND LIQUID CRYSTALS (INC. NONLINEAR OPTICS), Vol. 185, August 1990, Chur, CH, pgs. 67-74, XP0001692922, G. PM Montgomery et al., "Improving Multiplexability of Polymer-Dispersed Liquid Crystal Films by Dual Frequency Addressing."	
TD		Kobayashi et al., "Rear Projection TV Using High Resolution a-Si TFT LCD," pp. 114- 117, SID 98 Digest, May 1989.	

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